



**Espacenet**

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**Hydroformylation of olefin, e.g. for production of aldehyde and oxo-alcohol, using as catalyst a Sub-Group VIII metal complex of a polymeric ligand with at least ten nitrogen atoms and at least three phosphorus-containing groups**

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**Abstract of DE 10256164 (A1)**

A catalyst system for the hydroformylation of ethylenic compounds in homogeneous anhydrous media comprises a Sub-Group VIII metal complex with a water-insoluble polymeric ligand consisting of a polymer with at least 10 nitrogen atoms and at least 3 attached phosphorus-containing groups. A method for the hydroformylation of compounds with ethylenic double bond(s) by reaction with carbon monoxide and hydrogen in a homogeneous anhydrous phase in presence of a catalyst system containing Sub-Group VIII metal(s) and essentially water-insoluble polymeric ligand(s) consisting of a polymer structure with at least 10 nitrogen atoms and at least 3 attached phosphorus-containing groups. An Independent claim is also included for catalysts as described above.